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VALEDICTORY ADDRESS

TO THE

GRADUATING CLASS

OF

JEFFERSON MEDICAL COLLEGE,

AT THE

FIFTY-FOURTH ANNUAL COMMENCEMENT.

DELIVERED IN THE

ACADEMY OF MUSIC,

MARCH 12, 1879.

BY

J. AITKEN MEIGS, M.D.,

PROFESSOR OF THE INSTITUTES OF MEDICINE AND MEDICAL JURISPRUDENCE.

PHILADELPHIA:

PUGH MADEIRA, SURGICAL INSTRUMENT MAKER,

115 SOUTH TENTH STREET, BELOW CHESTNUT.

1879.

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No. 1364

DR. CHARLES RAU was born in Belgium in 1826. He came to the United States in 1848, and was engaged as teacher at Belleville, Illinois, and in New York. In 1875 he accepted an invitation from the Smithsonian Institution to prepare an ethnological exhibit to be displayed at the Centennial Exhibition, and subsequently was appointed Curator of the department of Archæology in the National Museum, which position he held at the time of his death, July 25, 1887. He bequeathed his Archæological collections and library to the U. S. National Museum.

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PHILADELPHIA:
COLLINS, PRINTER, 705 JAYNE STREET.

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CORRESPONDENCE.

JEFFERSON MEDICAL COLLEGE, February 28th, 1879.

At a meeting of the members of the Graduating Class of the Jefferson Medical College, it was unanimously

Resolved, That a committee, composed of one member from each State, Province, and Nation represented, be appointed to tender to Prof. J. Aitken Meigs the compliments of the Class, and request for publication a copy of the Valedictory Address, to be delivered by him at the Annual Commencement on March 12th, 1879.

J. R. DUGGAN, *Secretary.*

P. R. KOONS, *President.*

JEFFERSON MEDICAL COLLEGE, March 5th, 1879.

PROF. J. AITKEN MEIGS, M.D.—

DEAR SIR: We, the undersigned committee appointed in accordance with the foregoing resolution, tender you the compliments of the Class, and earnestly request, for publication, a copy of your Valedictory Address, to be delivered at the Annual Commencement on Wednesday, March 12th, 1879.

Very respectfully yours,

LOUIS WEISS, Colorado, *Chairman.*

CHARLES GARDINER, Connecticut.

JOHN WATERS, Arkansas.

T. J. MURRY, Tennessee.

W. P. BEALL, North Carolina.

W. A. PAYNE, Pennsylvania.

PAGE BROWN, California.

G. R. CLAYTON, Texas.

JOHN McDONALD, Prince Edward Island.

C. R. HERRON, Florida.

J. T. STAPP, Alabama.

W. L. RODMAN, Kentucky.

E. A. WORSLEY, Virginia.

L. C. CLINE, Indiana.

C. H. CATES, Maine.

FRANK KILBURN, New Brunswick.

ALFONZO GUERRERO, Central America.

S. M. ORR, South Carolina.

T. W. SHEARDOWN, Minnesota.

F. E. STEWART, New York.

F. L. C. TICE, Maryland.

E. M. WHITNEY, Massachusetts.

A. ROSE, U. S. A.

J. W. HEDDENS, Missouri.

H. H. DAVIS, New Jersey.

F. E. MCCLURE, Vermont.

H. C. HOPPER, Illinois.

GEORGE WOODRUFF, New Hampshire.

D. M. McGEEHEE, Mississippi.

F. CAUTHORN, Oregon.

D. B. OTWAY, West Indies.

W. S. HOY, West Virginia.

S. S. P. BARNES, Ohio.

1408 SPRUCE STREET, March 5th, 1879.

To MESSRS. LOUIS WEISS, CHARLES GARDINER, JOHN WATERS, and others, Committee.

GENTLEMEN: I place at your disposal the manuscript of my Valedictory Address, and beg you to accept for yourselves, and the members of the Class which you represent, my heartiest wishes for your future prosperity and happiness.

Very respectfully yours,

JAMES AITKEN MEIGS.

To give subtilty to the simple, to the young man
knowledge and discretion.—PROVERBS, i. 4.

Your voiceless lips, O flowers! are living preachers,
Each cup a pulpit, and each leaf a book
Supplying to my fancy numerous teachers
From loneliest nook.—HORACE SMITH, *Hymn to the Flowers*.

VALEDICTORY ADDRESS.

THREE times hath golden summer come and fled,
Three times hath pallid winter overspread
With snow, and stamped with jagged seal of ice
The shrinking earth ; and rosy spring hath thrice
In turn, with balmy breath, that seal dissolved,
Since you to learn the Healing Art resolved.

The novitiate of
the student.

Not one of all the famous wrestlers drilled
In Greek palestræ, nor any athlete skilled
In Roman games, the victor's wreath to seize
Did strive with greater skill ; not Hercules
More earnestly the flying stag pursued ;
Not Theseus the savage bull subdued,
Nor Siegfried smote the fair and brave Brynhild
More valiantly, than you have sternly willed
To toil, and nobly won the great success
Which this day's act doth crown and thus confess
Before the gracious throng assembled here.
For many, many months, with toil severe,
Alike have hospital and college claimed
Your busy days ; unwearied still, you aimed
At night, in presence of the solemn dead,
To learn the wondrous riddles, yet unread,
Of life and death, which mighty minds have sought
To solve, alas ! in vain, with anxious thought.
With knowledge armed, high hopes and courage rare,
Impatiently you stand and long to dare
That strife with Clotho and her sister Fates,
Which this Commencement Day inauguates.

His laborious pre-
paration for the
doctorate,

In knightly days when Charlemagne was king,
When troubadours did love and honor sing,

Days of knight-
hood.

and eagerness to
assume its respon-
sibilities.

When queenly women ruled o'er courts of love,
 Conferring knighthood, and, as far above
 All price, proclaiming virtue, honor, truth—
 To noble life thus leading generous youth—
 In those chivalric days, the neophyte,
 Who long had sought to be ordained a knight,

Vow of the knight. Was made, when he his sword received, to swear
 That he for righteous cause alone would bare
 That blade; for Christian faith would boldly strike;
 Before the weak would stand, a stubborn dyke
 Oppression's flood opposing; and would protect
 All womankind and hold them in respect.

The Hippocratic oath.

As did the knight in olden time, so you
 Must now resolve, with honest hearts and true.
 To wield the sword of knowledge in relief
 Of sick and suffering ones, and those with grief
 Bowed down and overweighted with much care.
 And further you must solemnly declare
 That you in purity and holiness
 Will live and exercise your art to bless
 Mankind; from acts of mischief will abstain,
 And all seductive wiles; and will refrain
 From giving drugs for deadly purposes
 Or vile. And when some aching brain discloses
 The secrets of a sad or guilty life,
 Which best the world should never know, lest strife
 And ill example follow, you will hide
 Such secrets whilst you counsel, whilst you chide.*

Its antiquity and
 exalted character;
 the reward offered
 and punishment
 threatened.

Than vow of knight, of older date and growth
 Is this exalted Hippocratic oath.
 As you its mandates keep inviolate,
 So live you honored by the good and great.
 Should ever you these wholesome laws transcend,
 To unrespected grave may you descend.

* The Oath, Works of Hippocrates translated by Francis Adams,
 LL.D., Surgeon, London, 1849, vol. ii. p. 779.

The knight, as patron saint, some lovely maid
Did choose, or noble dame, and her obeyed ;
Her praises spoke and wore her scarf or veil
Or ribbon-bow, as ensign, where the hail
Of crushing blows in thickest fight fell fast,
Her name, his war-cry, shouting with bugle blast.
You likewise have, this day, yourselves arrayed
Beneath the banner of the high-born maid
Hygeia, daughter of Asclepios,
Descended from Apollo Delios ;
Adored as Maut,* beside the mystic Nile,
With Amen-Ra in Theban peristyle ;
Dear goddess Health, sister of Panacea,
Of beauty's types the highest, best idea.

The patroness of
the knight, for
whom and in
whose name he
fought.

The maiden,
Health, in whose
behalf the physi-
cian strives against
disease.

Her divine origin.

Nor fragile she, nor pale ; but ruddy, strong,
And gladsome as a tuneful, joyous song.
Her comely form, in swelling curves designed,
Is perfect grace with glowing strength combined.
Crimson and white in her fair face contend,
Upon her cheeks in sweet confusion blend ;
Her rosy lips excel the coral's brightness,
Brow, nose, and chin are fleecy ways of whiteness.
Loosely flowing falls her hair a golden spray,
Forth from her lustrous eyes she scatters day.
For thus resplendently her jocund soul
Wells through her eyes in laughing waves which roll,
And, spreading, gleam like early morning light
Flung back from eastward-looking mountain height ;
Or lambent waves of phosphorescent sea,
Flashing at night with sudden brilliancy.

Her comely ap-
pearance,

* Asclepios, or *Æsculapius*, is doubtless the Egyptian Thoth, or Hermes Trismegistus, whose symbols, the staff and twining serpent, surmounted with the mystic hawk of Horus Ra, and the solar nraeus, appear in the ancient temple Pselcis, near Dakkeh, in Nubia. In all probability Hygeia, the later feminine form of the myth, is derived from Maut or Mut, the "Mother Goddess" of Egypt, whose hieroglyphical signs were transformed by the Greeks into the snake and bowl of their goddess of health. See Wilkinson's Ancient Egyptians, vol. v. p. 12, plate 46; or the new edition by S. Birch, vol. iii. p. 170; Sharpe's Egyptian Mythology, pp. 32, 34; Cooper's Serpent Myths of Ancient Egypt, pp. 8-12.

Robes rich and costly, gold and precious stones,
 She deemeth ill to wear while wretched groans
 From want and hunger rise on every hand,
 Through all the length and breadth of this large land.

dress, deportment, In graceful peplos clothed, and tunic short,
 She moves as doth the fawn in gentle sport ;
 Serenely moves with mild simplicity,
 On all bestowing sweet felicity.
 Though clothed thus round about with tenderness,
 merry moods, She hath her boisterous moods which effervesce,
 As sudden summer wind, upspringing high,
 The forest sweeps, leaves tossing to the sky.

mystic emblems, In one small hand a cup she deftly holds,
 Whilst round her soft, white arm, in many folds,
 A serpent twines and from the chalice drinks.
 Low crouches, sometimes, at her feet a sphinx.*
 From these strange emblems learn her character,
 How very cunning she, and how exact her
 Knowledge and profound ; how with wondrous skill
 Her youth renews ; and is discreet and still.
 For she hath touch of frost within her blood,
 Though warmest type of tender womanhood ;
 More secrets knows than cares she to reveal,
 And in her hands are subtle means to heal.

Epithalamium. Thus briefly sketched, behold your faithful guide,
 Your gentle, loving, health-dispensing bride.
 And now be mine the pleasing task to sing
 Your epithalamium, and to fling
 Upon the altar, ere you leave for aye,

Bridal gifts. Some gifts to mark this bright, auspicious day—
 Sweet flowers, heart-hopings for your success,
 Ripe fruits and leaves, sage counsel to express.

* “On représentait cette déesse (Hygiée) sous la forme d'une jeune fille de taille svelte et dégagée, vêtue d'une robe légère, et couverte d'une courte tunique. Elle tenait d'une main une coupe remplie de *masa*, c'est-à-dire, d'une pâte d'offrande préparée avec la farine d'orge la plus pure, et vers laquelle s'élançait un serpent entortillé autour de l'autre bras.—Elle est figurée une fois ayant un sphynx à ses pieds.”—Sprengel, *Histoire de la Médecine*, Paris, 1815, t. i. p. 134 et 184. Montfaucon, suppl. t. i. pl. lxviii.

First, orange-flowers and amaranth I bring,
 And bridal roses of the blithesome spring,
 Emblems of happy, chaste, unfading love.
 Next, daisies, lilies whiter than white dove,
 Bethlehem's star and mint I offer you,
 As types of the pure life you should pursue.
 Physicians' lives with virtue should keep pace,
 And like the hands upon the dial's face,
 Observed by all, should silent teachers prove,
 And other lives to regular course thus move.
 More than his cry, the wild duck's steady flight
 Persuades the flock to follow him aright.
 With busy hands the altar I bestrew
 With elder, you with ardor to imbue ;
 With dock which patience signifies, a great
 And needful virtue you must cultivate ;
 With swamp magnolia, poplar, black and dry,
 For courage and perseverance these imply,
 As necessary aids in life's career.
 Wild grapes and allspice next I scatter here,
 To urge you to the greatest charity,
 Benevolence and solidarity.
 Let this day's good resolves prove fruitful seeds,
 Through life to blossom into kindly deeds ;
 With open hands and good advice still bless
 The poor, afflicted, all who know distress ;
 The widowed hands and fatherless upstay,*
 Be Perseus to these Andromedæ.
 Be like unfailing springs that overflow
 In streams to carry life where'er they go.
 Within your hands a staff of mountain-ash
 I place, which seems to say be never rash,
 Let prudence safety lend, and power too.
 And this red belladonna flower you
 I give, which floral language silence deems,
 A trait the wise physician well beseems.
 Though seeing, hearing much, yet naught betray ;
 As Hamlet to the midnight watch did say,
 " And still your fingers on your lips, I pray."†

Floral offerings inculcating earnestness,

purity of life,

zeal, patience,

perseverance,

and a benevolent disposition.

The staff of prudence and the flower of silence.

* Epistle of James, i. 27.

† Act i., scene v.

The devotion of
the physician to
his art.

See now the cunning wreath my fancy weaves
Of ivy, locust, bay, and cedar leaves ;
Inwove with bluebells, honeysuckle too,
Jasmine and heliotrope of far Peru.
Had leaves and flowers tongues, these would impart
The lesson of devotion to your art—
Your Art, which is your bride, and claims as such
From you, unwearied thought and labor much.

How very noble
should be his love
for his art, as the
love of the bride-
groom for his
bride.

A very jealous mistress is this maid,
To her alone your homage must be paid ;
Her must you love with not the common love
Of common men, whose souls unsteady rove
Like fire-flies dancing in the summer night ;
Not as the needle, swayed by northern light,
The traction of its polar spouse resists ;
With not that love which selfishly insists,
While asking all, it little shall return ;
Which knows not sacrifice, nor can discern
Betwixt the barren thought and fruitful act ;
Which soon forgets old loves when new attract,
As children always newest toys desire :
But with that deep, prolonged, impassioned fire
Which baser minds can never feel nor learn ;
With steadfast yearning which doth life out-burn,
And doth the grave and buried hopes illume,
As lightning-flash dispels the forest-gloom
Through sultry summer nights, with fitful glare
Revealing ghostly trees still standing there.
Your love must rival that which Petrarch showed
For Laura, Dante on Beatrice bestowed,
Or Leonora fair from Tasso won ;
Which Shakespeare gave the dark and weird unknown
Enshrined, though nameless, in his sonnets sweet,*
And noble Angelo, with action meet,

Some of the few
who have sounded
the depths of affec-
tion incomprehen-
sible to the many
whose natures
have been fash-
ioned upon a lower
intellectual and
emotional plane.

* For conflicting views concerning this mysterious episode in the life of the great poet, see, among many other works, "The Sonnets of Shakespeare solved," by Henry Brown, London, 1870; and Shakespeare's Dramatic Art, by Dr. Herman Ulrici, London, 1876.

Expressed, when dead Colonna's hand he kissed,
And from his heart all joy thenceforth dismissed.*

Oh, love ! much talked of, little understood,
Wert always true, thou wert the greatest good ;
Sublime devotion, rare indeed as grand,
All possibilities lie in thy hand,
All difficulties flee before thy word,
And the whole earth with thy resolve is stirred.

Love and devotion
conquer the world.

John Gower, Chaucer's friend, in language fit,
Your duty to your loving bride thus writ.
It ponder well, I pray, take heed to it.

The lesson learned
from Gower.

“ What thing she bid me do, I do,
And where she bid me go, I go,
And when she likes to call, I come.
Thus hath she fully overcome
Mine idleness.
What so she will, so will I,
When she will sit, I kneel by.
I serve, I bow, I look, I loute,
Mine eye followeth her about.”†

My flower-basket once again I ope,
And hawthorn find for you, which meaneth hope—
That bridge o'er-arching life's tempestuous flood ;
That blessed angel steadyng the blood
Which falters from the anxious, care-worn face ;
To sad soul's whispering, take heart of grace,
To-morrow shall be happier than to-day ;‡
The captive comforting in his dismay,
The trodden-down uplifting from distress,
The daring beckoning to sure success.
“ True hope is swift and flies with swallow's wings,
Kings it makes gods, and meaner creatures kings.”§

Hope.

* Grimm's Life of Michael Angelo, Boston, 1877, vol. ii. pp. 315, 321.

† Confessio Amantis of John Gower. Edited by Dr. Reinhold Pauli, London, 1857, vol. ii. p. 41.

‡ “ — credula vitam

Spes foveat, et fore cras semper ait melius.”

Tibullus, Elegy, vii.

§ Richard III., Act v., scene ii.

Hope successful
only when aided
by resolute pur-
pose and sustained
effort.

But hope to be successful must combine
With fixed resolve to win, which columbine,
This purple columbine, and mountain pink
Which seeks the sun upon the topmost brink,
So well express.

As one with quickened heart
And panting breath, much toil and painful smart,
Through winding, tangled ways with rocks o'ercast,
The sunlit mountain top finds out at last,
So you to seize the cardinal flower
Distinction, to climb the lofty tower
Of glory in your god-like calling grand,
Must toil with might, must trials great withstand,
Must watch and wait, and be by naught deterred,
Whilst travelling the path of hope deferred.
What though adversity make you its prey,
Not always night usurps the place of day.
Wise Seneca esteemed unfortunate
The man who never strove with adverse fate.*
When most oppressed great souls most power show,
As flowers crushed their sweetest scents bestow.
Should troubles sore your pathway tessellate,
Lo! chamomile and flax which intimate
That energy and industry will touch,
As with Ithuriel's spear,† these foes, who crouch
Within the happy Eden of your life,
Like Satan in the first garden, bent on strife.

To struggle
against difficulties
with energy and
industry is to de-
velop power.

Nothing without
labor.

To mortals life, as Horace sang, gives naught
Without great labor.‡ Learn this lesson, fraught
With vast results, and never learned too soon—
Learn and practise, it will prove a boon.
Through labor you your bride to greatness brings,
Into your youthful ears this song she sings:

A song of labor.

You must labor. Of oldest date,
This law compulsory began
While chaos kept disordered state,
Ere yet from dust was fashioned man.

* Nihil infelicius eo, cui nihil unquam evenit adversi. De Pro-
videntia, 3.

† Paradise Lost, Book iv., 810.

‡ Nil sine magno labore dedit mortalibus. Satires, 1, 9, 60.

Expanding from this primal source,
 A power in creation's scheme,
 It runs unrestingly its course,
 And swayeth all with might supreme.

You must labor. The heaving surge
 Of ocean bears upon its crest
 The mandate. On the beetling verge
 Of rocks, on hills and plains impressed
 Indelibly, lo! labor's seal—
 On river borne, on lake and spring,
 In sunbeams glancing that enwheel
 Our globe with blessing-laden wing.

The searcher in the dim abodes
 Where science guards her treasured lore,
 The delver midst the golden lodes
 Of wisdom's richest, purest store ;
 The student whose untiring eye
 The touch of healthful sleep scarce knows ;
 The sons of toil, whose heart-wrung cry
 No respite winneth from their woes ;

The merchant prince with soul-care clad,
 The statesman clothed in arrogance
 And power, the merry ones and sad
 Who thickly crowd life's shadow-dance ;
 Strong industry, wan penury,
 Restless ambition seeking fame,
 Gray sorrow, patient misery—
 All, all its potency proclaim.

You must labor. Thus God hath said,
 Thou, in the sweat which doth bedew
 The face, shalt eat thy daily bread.
 The healing art shall yield to you
 Reward through ceaseless toil and care
 In saving men from sickness, pain,
 And death, and worse than death, despair,
 Which freezes heart and palsies brain.

You must labor with noblest aim,
 If on the massive architrave
 Of fame's entablature, your name
 In living lines you would engrave.
 No tarrying the road beside,
 No resting from the work, though worn,
 Still toiling at the even-tide,
 As at the noon and early morn.

May toil be
 crowned with
 success.

That great success may crown your toil, I throw
 You coronilla fair and mistletoe,
 Which tell of difficulties overcome,
 As victories proclaimed by beat of drum;
 And rock-rose, currants too, of savor sweet,
 That all your strivings may much favor meet.

Some words of
 warning.

Not obstacles seen clearly constitute
 The foes most dangerous to the resolute,
 Who such opponents justly recognize
 As friendly helpers in a rough disguise;
 But rather those temptations manifold
 Which dangers hide, as thickets dense some bold,
 Deceitful precipice shut in from view,
 And lure with leaves and flowers, bright of hue,
 Unwary ones to sudden fall and death,
 Amidst the cruel rocks concealed beneath.

Hidden dangers.

Against some hidden dangers you to warn,
 The bridal altar I forthwith adorn
 With tuberose, sweet-scented, clothed in white,
 And fragrant apples rosy to the sight—
 The fruit which our first mother led astray,
 And showed her quickened eyes life's rugged way,
 Showed her and us how lengthened woes outspring
 From fleeting joys, as shadows to sunlight cling.

Disease is no re-
 spected of persons.

Disease is cosmopolitan and makes
 No nice distinctions, but its victims takes
 From every place and from all ranks alike,
 And equally the great and mean doth strike.
 All sick, in time, will come to seek your aid;
 The rich, the poor, people of every grade

Of worth and wealth, the noble and the vile ;
 Some clad in innocence, some filled with guile ;
 Some cultivated, perfect *beaux-esprits* ;
 And others stupid to the last degree.

To these, all these, must you extend the hand
 Of healing. This your conscience doth command,
 And this humanity enjoins. Herein

Lies danger, for your sympathy will win
 You many friends, who, being folk of worth,
 The salt which renders wholesome all the earth,
 Will much advance your credit with the world ;
 But being vicious—as the bee close curled
 Within the flower, oft stings him whose sense
 Inhales the sweet perfume—with much pretence
 And outward show of good, will wound your fame,
 Your ways pervert, and so assoil your name,
 That, like the Egyptian in the ancient tale,*
 Or “simple ones” of Proverbs, you will fail
 Not, when aroused at last, to realize,
 In tribulation and with many sighs,
 That, sweet on one side, apples of Istkahar,
 Upon the other, very bitter are.

Assimilation is a common law,
 Good leads to good, evils to evil draw.

The soul is nourished through the eye which looks
 Upon the good and true, for these are books
 Of wisdom. He who often contemplates
 Ill deeds too oft his soul contaminates.

The sick treat kindly, then, with hands benign
 Their wounds bind up, and oil pour in and wine.
 But make not friends of all this company,
 Though bright as asters to the eye they be.
 The Graces sometimes with the Fates clasp hands,
 Behind the Sirens oft some Fury stands.

All sick, whether
 good or bad, must
 be succored.

The law of assimila-
 tion.

The physician
 must not make
 friends of all his
 patients indis-
 criminatingly.

* The Tale of the Garden of Flowers. A story of Egyptian social life of the XIXth dynasty; contained in one of the hieratic papyri belonging to the museum at Turin, and translated by M. François Chabas. See Records of the Past, being English translations of the Assyrian and Egyptian monuments, vol. vi. p. 151.

The temptation
of fame and its
vanity.

Oh! ardent youth, what magazines of force,
What mettled steeds upon the racing course
Of life, ye are. Filled with ambitious dreams,
Ye rush and foam, like swift and noisy streams
That vex the steep-inclining mountain side,
Against the boulders dash and over-ride
Their banks, singing meantime a wild refrain,
And speeding swiftly onward to the plain.
Along their banks what exhalations rise,
What phantoms vast of fame enchant your eyes;
How from their sources, near the mountain's crest,
They see and seek the fair green fields caressed
With golden light which the regal sun flings down
Upon the forest, river, plain, and town.
Down running to the river and the sea,
The streams, now lost in their identity,
Exult no more, nor know, nor feel the sun,
Though bathed in light through all the course they run.
Ye, also, see from your beginnings slight,
The dazzling spectre glory, with delight,
And eagerly pursue, but ere life's noon
Is reached, what if your hopes are wrecked and strewn?
Daphne, by Phœbus chased, was changed in form;
He clasped a bay-tree, not the goddess warm.

The lesson taught
by Webster.

The lesson which doth from this legend come
Great Webster taught, who nearest Shakespeare clomb:
“Glories, like glow-worms, afar off shine bright,
But look'd to near, have neither heat nor light.”*

Ostentation and
charlatanism to
be avoided.

Shun braggart glory, crave no sounding name,
Good deeds in heaven's scales weigh more than fame.
All pomp and vain display avoid, although
The foolish world is led by empty show.
Be always what you seem, seem what you be;
With learning couple large integrity.
Through merit seek to rise, and not by dint
Of blazoning your names in public print,
Or pseudo-scientific pamphlets, which
Not science, but their writers seek to enrich

* The Duchess of Malfi, Act iv. scene ii.; see also The White Devil, or Vittoria Corombona.

Through wondrous tales of cures adroitly told,
To snare the credulous and filch their gold.
Praise not yourselves, nor others' praises buy,
As men, not showmen, with each other vie.
Upon the public never seek to palm,
With face unblushing and without a qualm,
The coin of base presumptuous pretence
For sterling gold of honest excellence.*

If all or any of these things you do,
Then will you soil the wreath, and rend in two
The veil of your fair bride, and make her name
And mild, sweet face a mockery and shame.

They degrade the profession.

Again my basket I explore, and find
Another wreath of leaves with flowers twined ;
A bay-wreath, merit's coveted reward,
Be-sprigged with rue and pine, which well accord
As types of reason and philosophy ;
With salvia decked and white mulberry,
Which wisdom and her lofty ways declare.
Who worthy is this simple wreath to wear ?
Not you, oh not yet you, who just have donned
Your armor bright, and for your mistress blonde
Have struck no blow.

The bay-wreath of merit.

For him alone this wreath,
Who soon will put his armor off, and sheathe
The sword which, more than fifty years, hath warred
With direst foes of man, and hath restored
To blessed liberty of health and ease,
Unnumbered many captives of disease.
Your hearts and thoughts, my heart and mind unite,
And turn to him who sits upon my right.
This chaplet now upon thy head I lay,
Thou Ambrose Paré of the present day ;

Apostrophizing Prof. S. D. Gross.

* Against the forms of quackery above indicated an emphatic cry of warning has been raised by Dr. E. B. Gardette, in his admirable Valedictory Address to the graduating class of the Baltimore College of Dental Surgery, recently republished in this city ; and by Dr. M. H. Henry in an address entitled "Specialists and Specialties in Medicine," New York, 1876.

For thee the laurel and the bay, thou skilled
 Amongst the foremost of our ancient guild ;
 Thou noble, learned lover of learning,
 Whom Oxford honored with just discerning ;
 Thou whom thy brethren all delight to praise,
 Thou good friend of my early, struggling days.

Epicedium.

Prof. J. B. Biddie,
 who died January
 19, 1879.

From him whose armor still is bravely worn,
 I pass, in sadness and with heart forlorn,
 To him whose armor has been laid aside.
 In tears and sadness and with humbled pride,
 And trembling hands and drooping soul, I spread,
 In memory of our brother who is dead,
 These withered willow leaves and cypress sad.
 Oh! never more his face our hearts will glad,
 Oh! never more within our ears will sound
 The voice of him we loved with love profound.
 But though his body crumbleth into dust,
 Still lives his name which all men said was just.
 To us that name whose lustre ne'er will cease,
 And to his ashes everlasting peace.
 And for your classmates, fallen in life's spring,*
 A handful of forget-me-nots I bring.

The invocation.

And now, O Hymen, hear my earnest prayer,
 Thee I invoke, and all the Muses fair ;
 Thee, Erato, who sings at marriage feasts,
 Thee, Orpheus, who harps to savage beasts ;
 And great Apollo, who, soft lyre in hand,
 On high Olympus leads the choric band.
 You, smiling Seasons, too, I supplicate,
 Whose duty is to watch at heaven's gate,
 And order, justice, peace dispense on earth ;
 And lovely Graces, you, whose happy mirth
 Soothes labor, beautifies mechanic art,
 Rude sense refines, and decks both mind and heart.
 The Paian, I implore, thou surgeon bred,
 Who Ares cured when hurt by Diomed,

e,
 A

* Clinton B. Fine, Alfonzo M. Keely, Jacob H. Lefevre, and William J. Mosier, who died during the session.

And Cheiron, wise and just, most upright named,*
 In physic, all the arts and music famed.
 Next, Esculapius, on thee I call,
 Thou great physician, wisest of them all,
 Who cured all sick and brought to life the dead,
 Incurring thus the wrath of Zeus dread.

Ye mighty powers, hither haste, draw near,
 And kindly look upon these bridegrooms here ;
 Their acts direct, be you their constant guide,
 And o'er their lives propitiously preside.
 O make them good physicians, wise and kind,
 Well skilled in all the arts to help mankind ;
 In all the means of easing cruel pains,
 And calming restless hearts and troubled brains.
 Endow their hands with that obstetric power,
 Which succor brings in labor's dreadful hour,
 And great chirurgie skill to wield the knife,
 Austere but kind, that wounds in saving life.
 All chemic and botanic arts disclose
 To them, which best may mitigate man's woes,
 And skill medicinal, with which to stay
 The pestilence and rob it of its prey.
 Enable them to bring profound relief
 To those outstretched upon the rack of grief,
 And make them havens sure of peaceful rest,
 To all who suffer and are sore distressed.

Strew, Flora, strew, with flowers strew their way,
 Sing, Muses, sing the hymeneal lay,
 Lead, Graces, lead with rhythmic feet the dance,
 As bride and bridegroom hand in hand advance—
 She, radiant in all her blushing pride,
 He, seeking to be worthy of his bride.
 Give, Hymen, give them length of days and peace,
 And while they others bless without surcease,
 Let them with blessings numberless be crowned,
 As goodly trees with luscious fruit abound.

The writer
 earnestly hopes
 that those to
 whom this address
 was delivered may
 become useful and
 successful physi-
 cians.

Hymeneal.

* So Homer in the Iliad, xi. 832.

The physician
should diligently
strive to elevate
his profession, and
thus lead the public
to respect and
honor it.

Make the bride a crown of glory to her spouse,
Who plights to her, this day, his nuptial vows ;
And let the groom exalt his bride so high,
That men, with hands forth stretched to her, shall cry—
In language of the sacred nuptial song*
Shall cry, in tender, burning words and strong—
Behold how fair thou art, behold how fair,
Thy voice how sweet, thy face beyond compare ;
How fair thy love, how better far than wine,
As honeycombs how drop thy lips divine ;
How smell thy garments like to Lebanon,
Thou pleasant dove, thou fair to look upon,
Thou garden closed of spices sweet, thou well
Of living waters cool, thou soft gazelle.
How beautiful thy feet within thy shoes,
How cunningly are wrought thy joints and thews.
Thy neck is as a tower of ivory,
Thou art all fair, there is no spot in thee.

* The Song of Solomon.

G R A D U A T E S

OF THE

JEFFERSON MEDICAL COLLEGE OF PHILADELPHIA.

MARCH, 1879.

At a Public Commencement, held at the American Academy of Music on the 12th of March, 1879, the Degree of DOCTOR OF MEDICINE was conferred on the following gentlemen, by E. B. GARDETTE, M.D., President of the Institution, after which a Valedictory Address to the Graduates was delivered by Professor J. AITKEN MEIGS, M.D.

NAME.	STATE OR COUNTRY.	SUBJECT OF THESIS.
Armstrong, J. Stone	New York.	A Normal Heart Beat.
Bair, Thomas A.	Pennsylvania.	Clinical History of Typhoid Fever.
Bane, William C.	Pennsylvania.	Ovarian Cysts and their treatment by Ovariotomy.
Barnes, Samuel S. P.	Ohio.	The Portal Circulation.
Beall, William P.	North Carolina.	Diphtheria.
Beckley, Edwin L.	Maryland.	Bronchocele.
Beery, Charles C.	New York.	Cerebro-spinal Fever.
Beyer, William F.	Pennsylvania.	Diphtheria.
Biddle, Alexander W.	Pennsylvania.	The Trephine.
Blunden, Boyle N.	Pennsylvania.	Bromide Preparations.
Boenning, Henry C.	Pennsylvania.	The Localization of Spinal Lesions.
Bond, Muuroe	New Hampshire.	Malic Acid and Erysipelas.
Bowcock, John W.	West Virginia.	Laryngeal and Nasal Diphtheria.
Brock, Rufus E.	West Virginia.	Leucocytæmia.
Brower, Charles F.	Virginia.	Intra-Capsular Fracture of the Femur.
Brown, Carlos M.	California.	Insanity; its Pathology and Symptoms.
Brown, Page	California.	Apoplexy.
Bryson, Lewis M.	Pennsylvania.	Typhoid Fever.
Buck, James P.	Pennsylvania.	Hæmaturia.
Burford, J. Edward	Texas.	Hemorrhagic Malarial Fever.
Burgin, Herman	Pennsylvania.	Subjective Diagnosis.
Burroughs, Hamilton S.	Pennsylvania.	Hæmoptysis.
Cahall, William Cannon	Delaware.	Speech Impediments.
Campbell, Cassius M. C.	Pennsylvania.	Typhoid Fever.
Campbell, George W.	Pennsylvania.	Etiology of Hæmorrhoids.
Carr, A. Smith	West Virginia.	Morbilli.
Cates, Charles H.	Maine.	Blood Alterations of Pregnancy.
Cauthorn, Franklin	Oregon.	Digestion and Absorption.

NAME.	STATE OR COUNTRY.	SUBJECT OF THESIS.
Chapman, Norman H.	Illinois.	Surgical Shock.
Clayton, George R.	Texas.	Angina Pectoris.
Cline, Lewis C.	Indiana.	Intermittent Fever.
Cox, Thomas B.	Pennsylvania.	Jaborandi.
Crawford, George W.	Pennsylvania.	Hysteria.
Crawford, Gustavus R. J.	Canada.	Paraplegia.
Criswell, John F.	Indiana.	Acute Articular Rheumatism.
Crump, William L.	North Carolina.	Anatomy and Physiology of the Pneumogastric Nerve.
Davis, Henry H.	New Jersey.	Erythroxylon Coca.
Davis, Lewis G.	Pennsylvania.	Typhoid Fever.
Deemer, John T.	Pennsylvania.	Diphtheria.
De Wolfe, Willard L.	Pennsylvania.	Physiology of the Blood.
Diehl, Oliver	Pennsylvania.	The Spinal Cord as an Independent Centre.
Dillard, Richard, Jr.	North Carolina.	Water.
Duggan, James R.	Georgia.	Water.
Ellenberger, J. Wesley	Pennsylvania.	Acute Articular Rheumatism.
Enos, Thos. A.	Delaware.	Origin, Distribution, and Functions of the Pneumogastric Nerve.
Entler, George F.	New York.	Deceptive and Destructive Errors of Modern Pharmacy.
Espy, John S.	Pennsylvania.	Malaria; its nature and effects.
Feltwell, John	Pennsylvania.	Precautions for the Practitioner.
Flick, Lawrence F.	Pennsylvania.	Hygiene.
Forbes, Wm. H.	Indiana.	Quinia.
Forster, Charles V.	Pennsylvania.	Cerebro-spinal Fever.
Fowler, Warren H.	New York.	Aneurism.
Fravel, Edward H.	Virginia.	Spermatorrhoea.
Frick, Cyrus S.	Pennsylvania.	Scarlatina.
Friebis, George	Pennsylvania.	Therapeutic Stimulation.
Fritz, Horace M.	Pennsylvania.	Inflammation.
Gandy, Charles M.	New Jersey.	Transfusio Sanguinis.
Gardiner, Charles	Connecticut.	Puerperal Eclampsia.
Grady, William A.	Minnesota.	The Importance of Correct Diagnosis.
Guerrero, Alfonzo L.	Centr. America.	Anæmia.
Guzman, Virgilio	Centr. America.	Yellow Fever.
Hacker, Isaac B.	Pennsylvania.	Diphtheria.
Hale, John G.	Arkansas.	Malaria.
Haley, George P.	New Jersey.	The Blood in Health.
Hampton, John T.	Pennsylvania.	Remittent Fever.
Hankey, Wilbur H. J.	Pennsylvania.	Symptomatology.
Hansell, Howard F.	Pennsylvania.	Fibroid Tumors of the Uterus.
Hassenplug, Galen K.	Pennsylvania.	The Fourth Ventricle and its Relations to some of the Cranial Nerves.
Hays, Peter W.	Pennsylvania.	Apoplexy.
Hazlett, Isaac W.	Ohio.	The Anatomy and Pathology of the Lymphatic System.
Heddens, James W.	Missouri.	Stricture of the Urethra.
Heinitsh, George W.	Pennsylvania.	Cardiac Neuralgia.
Herbein, Milton H.	Pennsylvania.	Typhoid Fever.
Herr, Francis C.	Pennsylvania.	Cerebral Anæmia.
Herron, Charles R.	Florida.	Is Yellow Fever Indigenous to the United States or an Exotic.
Hewson, Addinell, Jr.	Pennsylvania.	The Anatomy, Pathology, and Symptomatology of Stricture of the Urethra in the Male.

NAME.	STATE OR COUNTRY.	SUBJECT OF THESIS.
Hice, Edward C.	Pennsylvania.	Cinchona and its Alkaloids.
Hickman, James W.	Pennsylvania.	Embryology.
Holman, James A.	Pennsylvania.	Fractures.
Holmes, Wm. E.	Kentucky.	Gonorrhœa in the Male.
Hopkins, Abram C.	North Carolina.	Intermittent Fever.
Hopper, Harry C.	Illinois.	Somnambulism.
Horn, Harry Y.	Pennsylvania.	Dysentery.
Hough, Thomas A.	Pennsylvania.	Epilepsy.
Howard, Randolph N.	Indiana.	Acute Rheumatism.
Howell, Richard L.	Pennsylvania.	Actnal Cautery.
Hoy, William S.	West Virginia.	Yellow Fever.
Hoyt, Theodore E.	Pennsylvania.	Epidemic Catarrh.
Hudders, John S.	Pennsylvania.	Disease.
Ibach, Frederick G.	Pennsylvania.	Means of Lessening the Sufferings of Parturition.
Irwin, William B.	Pennsylvania.	Influence of the Mind on the Body in Health and Disease.
Jacob, Harry	Pennsylvania.	Apoplexy.
Jamison, William A.	Pennsylvania.	Diphtheria.
Jayne, Calvin K.	Pennsylvania.	Dysmenorrhœa.
Jessop, Samuel A. S.	Pennsylvania.	Erysipelas.
Johnson, Samuel C.	Pennsylvania.	Scarlatina.
Johnston, John P.	Pennsylvania.	Anæsthetics.
Kilborn, Harvey B.	Pennsylvania.	Cerebro-spinal Fever.
Kilburn, Frank	New Brunswick.	Diphtheria.
King, George P.	Pennsylvania.	Gelsemium Semper-virens.
Kirkpatrick, M. Baldwin	Illinois.	Hygiene.
Kistler, James K.	Pennsylvania.	Dysentery.
Kneedler, William L.	Pennsylvania.	Disease Germs.
Knox, Samuel D.	Ohio.	Care of the Infant.
Koons, Philip R.	Pennsylvania.	Nasal Catarrh: Acute and Chronic.
Kram, George W.	Pennsylvania.	Iron and its Compounds.
Larimer, William T.	Pennsylvania.	Temperature and Treatment of Typhoid Fever.
Lawrance, Edward Stuart	Pennsylvania.	Delirium Tremens.
Lee, Bernard R.	Pennsylvania.	Ununited Fractures.
Lichliter, David C.	Virginia.	Natural Phenomena of the Puerperal Condition.
MacCord, George Thornton	Pennsylvania.	The Educated Nurse.
MacDonald, John	Prince Edw. I.	Typhoid Fever.
Martin, Aaron	Pennsylvania.	Conditions to be observed before and after Eating.
Middleton, William J.	Pennsylvania.	Acute Articular Rheumatism.
Mitchell, Edmund H.	Pennsylvania.	Intermittent Fever.
Montgomery, James E.	Pennsylvania.	Acute Pleurisy.
Murray, Thomas J.	Tennessee.	Malarial Cachexia.
Musgrove, Charles W.	Pennsylvania.	Medical Diagnosis.
McAninch, David L.	Pennsylvania.	Outline of the Nervous System.
McCallister, Charles H.	Indiana.	Carbonic Acid.
McClellan, R. Miller	Pennsylvania.	Head-last Labors.
McClure, Frank E.	Vermont.	Typhoid Fever.
McComb, Samuel F.	Pennsylvania.	Diagnosis.
McEwen, Charles M.	Pennsylvania.	Sporadic Dysentery.
McGehee, Daniel M.	Mississippi.	Typhoid Fever.
McGogney, Samuel	Pennsylvania.	Circulation of the Blood.
McMullen, John C.	Pennsylvania.	Inflammation.
McNichol, Edgar	Massachusetts.	Typhoid Fever.

NAME.	STATE OR COUNTRY.	SUBJECT OF THESIS.
Neiman, Howard Y.	Pennsylvania.	Typhoid Fever.
Nes, Henry	Pennsylvania.	Diseases of the Rectum.
Nicodemus, John D.	Maryland.	Preventive Medicine.
Nonamaker, Noah S.	Pennsylvania.	Typhoid Fever.
Orr, Samuel M.	South Carolina.	Scarlatina.
Otway, David B.	West Indies.	Pneumonia.
Page, Dudley L.	Massachusetts.	Heredity.
Paine, William A.	Pennsylvania.	Intermittent Fever.
Peairs, Elisha P.	Pennsylvania.	Diphtheria.
Pershing, Frank S.	Pennsylvania.	Typhoid Fever.
Pierce, George L.	California.	Theory and Practice of Medicine.
Pigman, Samuel C.	Pennsylvania.	Fractures.
Poffenberger, Albert T.	Pennsylvania.	Sewerage, Drainage, and Ventilation.
Potsdamer, Joseph B.	Pennsylvania.	The Diagnosis of Valvular Diseases of the Heart.
Pownall, Howard W.	Pennsylvania.	Acute Articular Rheumatism.
Price, Allen D.	Pennsylvania.	Carcinoma Uteri.
Price, Joseph H.	Pennsylvania.	Scarlet Fever.
Pricer, William E.	Ohio.	Cucurbita Pepo as an Anthelmintic.
Pringle, William W.	Ohio.	Phthisis Pulmonalis.
Rambo, Samuel M.	Pennsylvania.	Management of the Sick Room.
Reynolds, John M. C.	Pennsylvania.	Hygienic Care and Moral Training of Infants and Children.
Rhoads, George H.	Pennsylvania.	Physiology of the Sympathetic.
Righter, William H.	Delaware.	Calcium Chloride.
Rinehart, Willard E.	Oregon.	Diphtheria.
Rodman, William L.	Kentucky.	Lobar Pneumonia.
Rose, Archimedes	U. S. Army.	Head-last Labors.
Scates, Dan. W.	Tennessee.	What Chemistry has done for the World.
Schaeffer, Uriah R.	Pennsylvania.	Influence of Imagination upon the Body in Health and Disease.
Schellinger, Clarence M.	New Jersey.	Disinfection.
Scroggs, Gustavus A.	Ohio.	Gastritis.
Seaman, Dean	New York.	The Anatomy and Distribution of the Fifth Pair of Nerves.
Seibert, George W.	Pennsylvania.	Malarial Fever.
Sheardown, T. Winton	Minnesota.	Chancre.
Shirk, John K.	Pennsylvania.	The Etiology of Uterine Affections.
Shriner, Charles H.	Pennsylvania.	Treatment of Rheumatism in Malarial Districts.
Smith, Charles S.	Ohio.	Rudimentary Strictures.
Smith, Harris K.	Pennsylvania.	Typhoid Fever versus Typhus.
Spragg, Sylvanus L. S.	Pennsylvania.	Alcohol.
Sprowls, Isaac Newton	Pennsylvania.	Mental Therapeutics.
Stapp, James T.	Alabama.	Yellow Fever.
Stewart, David D.	Pennsylvania.	Influence of Parents in producing Syphilitic Offspring.
Stewart, Francis Edward	New York.	A New Method of Rectal Medication.
Strohecker, James T.	Pennsylvania.	Therapeutics of Children.
Tharp, William S.	Missouri.	Intermittent Fever.
Throop, George S.	Pennsylvania.	Nervous Shock.
Tice, Frederic L. C.	Maryland.	Baths.
Tomlinson, Thomas C.	Delaware.	Water.
Torbert, Enos G.	Pennsylvania.	Physiology of Eclampsia.
Torrence, D. Rogers	Pennsylvania.	Sunstroke.
Vega, Francisco	Centr. America.	Cerebro-spinal Fever.

NAME.	STATE OR COUNTRY.	SUBJECT OF THESIS.
Wallace, Ellerslie, Jr.	Pennsylvania.	Milk.
Wallen, Seely	New Jersey.	Staphyloraphy.
Ward, George Mason	Pennsylvania.	Saponification and its results.
Waters, John	Arkansas.	A Healthy Child.
Way, Eugene	New Jersey.	The Hygienic Treatment of Disease.
Weiser, George B., Jr.	Pennsylvania.	Thermometry.
Weiss, Louis	Colorado.	Dialysed Iron with special reference to its use in Arsenical Poisoning.
Whitaker, James S.	Maryland.	Diphtheria.
Whitney, Edward M.	Massachusetts.	Eucalyptus Globulus.
Wiley, S. Nelson	Pennsylvania.	Prolapsus Uteri.
Wilson, H. Augustus	Pennsylvania.	The Mechanism of Muscular Action causing Transverse Fracture of the Patella.
Winslow, Byron	Pennsylvania.	Physiology of Vision.
Witting, Anthony P.	Kentucky.	A Clinical Case.
Woodruff, George	New Hampshire.	Croup.
Worsley, Edward A.	Virginia.	The Thermometer.
Wright, J. Edward	Pennsylvania.	Lead; its Chemistry and Therapeutics.
Yard, John L.	Pennsylvania.	Leucocythaemia.
Zeiner, Levi S.	Pennsylvania.	Position and Mobility of the Unimpregnated Uterus.

Of the above there were from—

Pennsylvania ...	109	West Virginia.....	4	New Hampshire...	2	Georgia	1
Ohio,	7	Massachusetts.....	3	Tennessee.....	2	Maine	1
New Jersey	6	California	3	Minnesota.....	2	Connecticut.....	1
New York	6	Kentucky	3	Texas.....	2	Florida.....	1
Indiana	5	Illinois	3	Vermont	1	U. S. Army.....	1
Delaware	4	Central America..	3	Mississippi.....	1	Prince Edward I... .	1
Maryland.....	4	Oregon	2	South Carolina	1	Canada	1
Virginia	4	Missouri.....	2	Alabama.....	1	West Indies.....	1
North Carolina..	4	Arkansas.	2	Colorado	1	New Brunswick....	1

Total 196

The following prizes were awarded :—

1. A prize of \$100, by Henry C. Lea, Esq., for the best Thesis, to Henry C. Boenning, of Pennsylvania, with honourable mention of the Theses of Frank E. Stewart, of New York, William L. Kneedler, of Pennsylvania, Carlos M. Brown, of California, Monroe Bond, of New Hampshire, and William S. Hoy, of West Virginia.
2. A prize of \$50, for the best Essay on a subject pertaining to Surgery, to Bernard R. Lee, of Pennsylvania, with honourable mention of the Theses of Norman H. Chapman, of Illinois, and Henry Nes, of Pennsylvania.
3. A prize of \$50, for the best Anatomical Preparation, to William L. Kneedler, of Pennsylvania.
4. A prize of \$50, for the best Essay on a subject pertaining to Obstetrics, etc., to David C. Lichliter, of Virginia, with honourable mention of the Thesis of Howard F. Hansell, of Pennsylvania.
5. A prize of \$50, for the best Essay on a Subject pertaining to Materia Medica and Therapeutics, to Louis Weiss, of Colorado, with honourable mention of the Thesis of Albert T. Poffenberger, of Pennsylvania.
6. A prize of \$50, for the best Essay on a subject pertaining to Physiology, to William C. Cahall, of Delaware.
7. A prize of \$50, for the best Essay on a subject pertaining to the Theory and Practice of Medicine, to John L. Yard, of Pennsylvania, with honourable mention of the Thesis of William L. Rodman, of Kentucky.

8. A prize of \$50, for the best Essay on a subject pertaining to Chemistry, to George W. Kram, of Pennsylvania, with honourable mention of the Thesis of James R. Duggan, of Georgia.

9. A prize of a Gold Medal, by the Demonstrator of Surgery, for excellence in Bandaging, to Lawrence F. Flick, of Pennsylvania, with honourable mention of G. A. Seroggs, of Ohio.

10. A prize of a Gold Medal, by R. J. Levis, M.D., for the best Report of his Surgical Clinic, at the Pennsylvania Hospital, to Charles M. Gandy, of New Jersey, with honourable mention of Norman H. Chapman, of Illinois, Addinell Hewson, Jr., Bernard R. Lee, and William H. Righter, of Pennsylvania.



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